Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/15/2018 09:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123776	-1	1.55	123783	1.52
Blue	F	SSC	125000	124510	-1	1.98	125264	1.98
Blue	E	FITC	15760	15372	-3	2.97	332	23.15
Blue	D	PE	25880	25096	-4	2.00	546	17.15
Blue	B	PerCP-Cy5-5	34075	33648	-2	4.35	1031	23.03
Blue	A	PE-Cy7	22776	23027	1	7.62	557	45.93
Red	C	APC	42488	41879	-2	2.77	1584	13.37
Red	A	APC-Cy7	24478	24186	-2	2.91	832	12.94
Violet	B	V450	6304	6099	-4	4.03	338	17.22
Violet	A	V500	26005	25099	-4	3.64	586	13.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20503	6.64	607	10	N/A	N/A	Pass
Blue	F	SSC	56389	1.40	573	18	N/A	N/A	Pass
Blue	E	FITC	57	75.94	562	6	0.0144	164	Pass
Blue	D	PE	113	58.57	555	6	0.1188	278	Pass
Blue	B	PerCP-Cy5-5	193	56.94	655	8	0.0072	89	Pass
Blue	A	PE-Cy7	110	110.73	710	13	0.0087	20	Pass
Red	C	APC	376	27.68	602	2	0.0196	98	Pass
Red	A	APC-Cy7	204	28.45	574	3	0.0047	974	Pass
Violet	B	V450	53	82.07	490	1	0.0319	2756	Pass
Violet	A	V500	88	46.73	507	1	0.0136	1280	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.01	0.96
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	16.38	13.60 - 20.40	N/A	N/A	30.85	31.36	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13098

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments